

PUNITH B CHANDAKAVATE

SOFTWARE ENGINEER

PYTHON | DJANGO | FASTAPI | SQL | CLOUD DATA ENGINEERING | AZURE | AWS | PYSPARK

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of professional experience building scalable backend applications, REST APIs, and enterprise software solutions using Python, Django, Django REST Framework, and FastAPI. Hands-on experience developing cloud-based Data Engineering projects using Azure Databricks, PySpark, Apache Spark, Delta Lake, ADLS Gen2, AWS S3, AWS Lambda, AWS Glue, and Amazon Redshift. Strong foundation in SQL, data modeling, ETL/ELT, multi-database backend systems, query optimization, API security, and production support, with a growing focus on modern Cloud Data Engineering and analytics platforms.

TECHNICAL SKILLS

Programming & Backend:
Python • Django • Django REST Framework • FastAPI • REST APIs

Data Engineering:
SQL • PySpark • ETL/ELT • Delta Lake • Data Modeling • Snowflake • Apache Airflow

Cloud:
Azure Databricks • ADLS Gen2 • Unity Catalog • Amazon S3 • AWS Lambda • AWS Glue • Amazon Redshift

Databases:
PostgreSQL • MySQL • SQL Server

Tools:
Git • GitHub • GitLab • Docker • Linux • Celery • Redis • Postman • VS Code

EXPERIENCE

Software Engineer | ZKTeco India – Global R&D Center, Bengaluru Oct 2022 – Present

- Led backend architecture modernization for enterprise workforce management systems, reducing report generation time by 30% and improving overall system scalability.
- Built RESTful APIs enabling real-time integration and data processing across 2–3 biometric device types.
- Optimized report engines and SQL queries, reducing query execution time by 40% and improving application responsiveness.
- Implemented scalable multi-database architecture supporting PostgreSQL, MySQL, SQL Server, and Oracle across enterprise deployments.
- Resolved 30+ security vulnerabilities and modernized legacy components, strengthening application security and data protection.
- Modernized dashboards and UI workflows, improving usability, navigation, and system responsiveness.
- Automated deployment workflows, reducing deployment time from approximately 1 hour to under 10 minutes.
- Mentored junior engineers through code reviews and technical guidance, accelerating feature delivery by up to two weeks per sprint within Agile frameworks.

PROFESSIONAL PROJECTS

BiotimeCloud 2.0 – Enterprise Workforce Management Platform	Jan 2024 – Present
• Redesigned enterprise dashboards, improving usability, consistency, and user experience. • Engineered RESTful APIs using Django REST Framework and FastAPI for real-time integration across multiple biometric device types. • Delivered secure biometric data management features with mobile API integration and global user registration support.	
Intelligent-time – Enterprise Attendance & Productivity Platform	Jan 2024 – Present
• Engineered a time management and productivity module covering attendance logging, shift tracking, and productivity reporting. • Streamlined backend modules and SQL queries to improve data processing performance and application responsiveness. • Resolved application-level security vulnerabilities and refined system architecture, strengthening reliability and scalability.	
EasyTimePro–Enterprise Time & Productivity Management Platform	Oct 2022 – Jan 2024
• Designed scalable backend components and REST APIs for offline attendance management. • Delivered new features and performance improvements through Agile collaboration. • Enabled multi-database support across PostgreSQL, MySQL, SQL Server, and Oracle while modernizing legacy backend libraries.	

FEATURED DATA ENGINEERING PROJECTS

ShopVista Data Modernization Platform GitHub	
Azure Databricks PySpark Delta Lake ADLS Gen2 Unity Catalog Power BI	
• Implemented an end-to-end Azure Lakehouse following Medallion Architecture (Bronze, Silver, Gold layers) for structured, governed data processing. • Created Bronze, Silver, and Gold ETL pipelines using PySpark and Delta Lake to ingest, clean, and transform e-commerce data for analytics. • Configured Auto Loader and Structured Streaming for incremental data ingestion, and modeled Star Schema dimensional structures to support analytical queries. • Automated pipeline orchestration using Databricks Workflows and surfaced insights through interactive Power BI dashboards.	
CarePlus Data Ingestion & Analytics Pipeline GitHub	
Amazon S3 AWS Lambda AWS Glue Amazon Redshift Power BI FastAPI	
• Set up an event-driven, serverless ETL pipeline on AWS, using Amazon S3 event triggers to automatically initiate data ingestion. • Built AWS Lambda functions and AWS Glue ETL jobs to transform raw data and load analytics-ready datasets into Amazon Redshift. • Provided Power BI and FastAPI-based dashboards to surface pipeline outputs for reporting and analysis.	

EDUCATION

Bachelor of Engineering (B.E.) in Electrical and Electronics Engineering	2016 – 2020
BLDEA's V.P. Dr.P.G.Halakatti College of Engineering & Technology Vijayapur	